

CLAIMS

1. A coated article comprising a coating supported by a glass substrate, the coating comprising:
 - a first dielectric layer;
 - a first infrared (IR) reflecting layer comprising silver located over at least the first dielectric layer;
 - a first layer comprising zinc oxide located over at least the first IR reflecting layer and the first dielectric layer;
 - a second IR reflecting layer comprising silver located over and contacting the first layer comprising zinc oxide;
 - a layer comprising an oxide of NiCr located over and contacting the second IR reflecting layer;
 - a second layer comprising zinc oxide located over and contacting the layer comprising the oxide of NiCr; and
 - another dielectric layer located over at least the second layer comprising zinc oxide.
2. The coated article of claim 1, wherein at least one of the first and second layers comprising zinc oxide further comprising aluminum.
3. The coated article of claim 1, wherein the coated article is heat treated.
4. The coated article of claim 1, further comprising another layer comprising zinc oxide located between the first dielectric layer and the first IR reflecting layer, and wherein the first dielectric layer comprises silicon nitride.
5. The coated article of claim 1, wherein the first dielectric layer comprises silicon nitride, and said another dielectric layer also comprises silicon nitride.

6. The coated article of claim 1, further comprising a layer comprising tin oxide located between the first IR reflecting layer and the first layer comprising zinc oxide.

7. The coated article of claim 1, further comprising a layer comprising tin oxide located between the second layer comprising zinc oxide and said another dielectric layer, and wherein the layer comprising tin oxide contacts the second layer comprising zinc oxide.

8. The coated article of claim 1, wherein the first dielectric layer comprises silicon nitride which is Si-rich so as to be represented by Si_xN_y , where x/y is from 0.8 to 1.4.

9. The coated article of claim 1, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment has a visible transmission of at least 79% and a sheet resistance (R_s) of less than or equal to 3.0 ohms/square.

10. The coated article of claim 1, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment has a visible transmission of at least 80% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

11. The coated article of claim 1, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment has a visible transmission of at least 81% and a sheet resistance (R_s) of less than or equal to 2.1 ohms/square.

12. The coated article of claim 1, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible

transmission of at least 76% and a sheet resistance (R_s) of less than or equal to 3.0 ohms/square.

13. The coated article of claim 1, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible transmission of at least 77% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

14. The coated article of claim 1, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible transmission of at least 78% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

15. A coated article comprising a coating supported by a glass substrate, the coating comprising:

a first dielectric layer;

a first infrared (IR) reflecting layer comprising silver located over at least the first dielectric layer;

a second dielectric layer located over at least the first IR reflecting layer;

a second IR reflecting layer comprising silver located over at least the second dielectric layer and the first IR reflecting layer;

a layer comprising an oxide of Ni and/or Cr located over and contacting the second IR reflecting layer;

a layer comprising zinc oxide located over and contacting the layer comprising the oxide of Ni and/or Cr; and

another dielectric layer located over at least the layer comprising zinc oxide.

16. The coated article of claim 15, wherein the layer comprising zinc oxide further comprises aluminum.

17. The coated article of claim 15, wherein the coated article is heat treated, and when measured monolithically has a visible transmission of at least 80% and a sheet resistance of less than or equal to 3.0 ohms/square.

18. The coated article of claim 15, further comprising another layer comprising zinc oxide located directly under and contacting the second IR reflecting layer.

19. The coated article of claim 15, wherein the first dielectric layer comprises silicon nitride.

20. The coated article of claim 15, wherein the first dielectric layer comprises silicon nitride, said second dielectric layer comprises silicon nitride, and said another dielectric layer comprises silicon nitride.

21. The coated article of claim 15, further comprising a layer comprising tin oxide located between the first IR reflecting layer and the second IR reflecting layer.

22. The coated article of claim 15, further comprising a layer comprising tin oxide located between the layer comprising zinc oxide and said another dielectric layer, and wherein the layer comprising tin oxide contacts the layer comprising zinc oxide.

23. The coated article of claim 15, wherein the first dielectric layer comprises silicon nitride which is Si-rich so as to be represented by Si_xN_y , where x/y is from 0.8 to 1.4.

24. The coated article of claim 15, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment the coated article has a visible transmission of at least 79% and a sheet resistance (R_s) of less than or equal to 3.0 ohms/square.

25. The coated article of claim 15, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment the coated article has a visible transmission of at least 80% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

26. The coated article of claim 15, wherein the coated article comprises a heat treated substrate which supports the coating, and when measured monolithically following heat treatment the coated article has a visible transmission of at least 81% and a sheet resistance (R_s) of less than or equal to 2.1 ohms/square.

27. The coated article of claim 15, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible transmission of at least 76% and a sheet resistance (R_s) of less than or equal to 3.0 ohms/square.

28. The coated article of claim 15, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible transmission of at least 77% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

29. The coated article of claim 15, wherein the coated article comprises a laminate including said substrate which supports the coating and is heat treated and that is laminated to another heat treated glass substrate, the laminate having a visible transmission of at least 78% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

30. A coated article including a glass substrate which supports a coating, the coating comprising from the glass substrate outwardly at least the following layers:

- a dielectric layer comprising silicon nitride;
- a first layer comprising zinc oxide;
- a first IR reflecting layer contacting the first layer comprising zinc oxide;
- at least one dielectric layer comprising at least one of tin oxide and silicon nitride;
- a second layer comprising zinc oxide;
- a second IR reflecting layer contacting the second layer comprising zinc oxide;
- a layer comprising an oxide of Ni and/or Cr;
- a third layer comprising zinc oxide contacting the layer comprising the oxide of Ni and/or Cr; and
- another dielectric layer located over at least the third layer comprising zinc oxide.

31. The coated article of claim 30, wherein the coated article comprises a laminate including said glass substrate which supports the coating and is heat treated, said glass substrate being laminated to another heat treated glass substrate to form the laminate, said laminate having a visible transmission of at least 78% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

32. A coated article including a glass substrate which supports a coating, the coating comprising from the glass substrate outwardly at least the following layers:

- a dielectric layer comprising silicon nitride;
- a first contact layer;
- a first IR reflecting layer comprising silver contacting the first contact layer;

at least one dielectric layer comprising at least one of tin oxide and silicon nitride;
a second contact layer;
a second IR reflecting layer comprising silver contacting the second contact layer;
a layer comprising an oxide of NiCr;
a layer comprising zinc oxide contacting the layer comprising the oxide of NiCr; and
another dielectric layer comprising silicon nitride located over at least the layer comprising zinc oxide.

33. The coated article of claim 32, wherein the coated article comprises a laminate including said glass substrate which supports the coating and is heat treated, said glass substrate being laminated to another heat treated glass substrate to form the laminate, said laminate having a visible transmission of at least 78% and a sheet resistance (R_s) of less than or equal to 2.5 ohms/square.

34. A coated article comprising a coating supported by a glass substrate, the coating comprising the following layers in the recited order from the glass substrate outwardly:

a first layer comprising zinc oxide;
a layer comprising silver located over and contacting the first layer comprising zinc oxide;
a layer comprising an oxide of Ni and/or Cr located over and contacting the layer comprising silver;
a second layer comprising zinc oxide located over and contacting the layer comprising the oxide of Ni and/or Cr.